

Fig 1
A-0

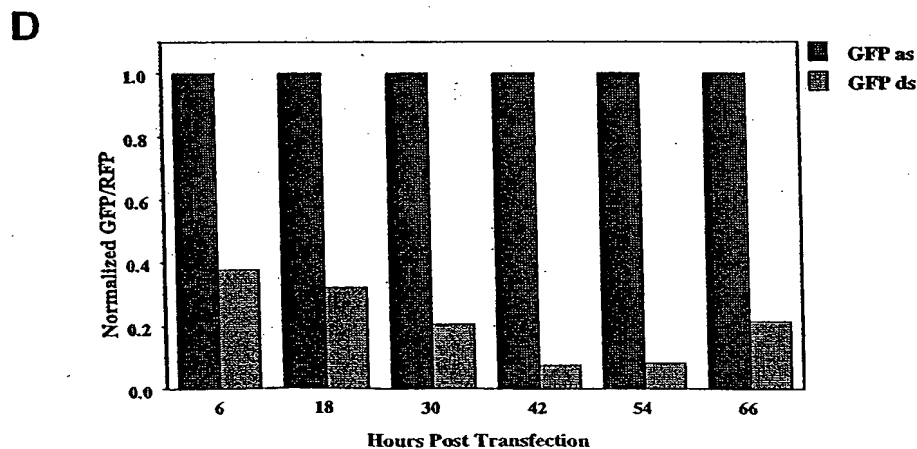
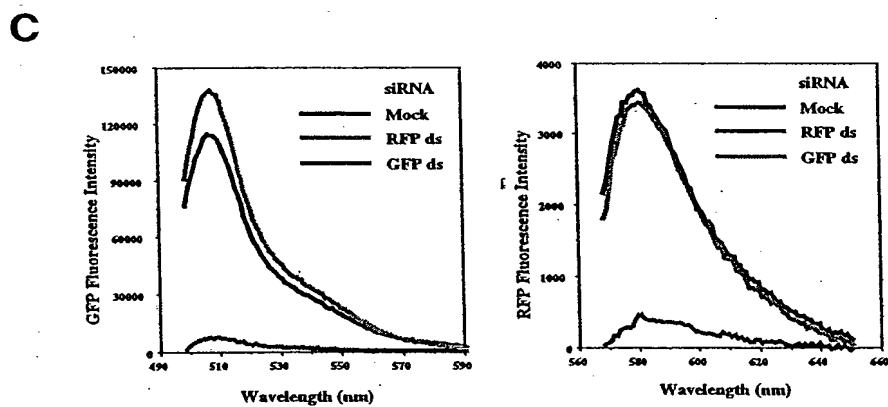
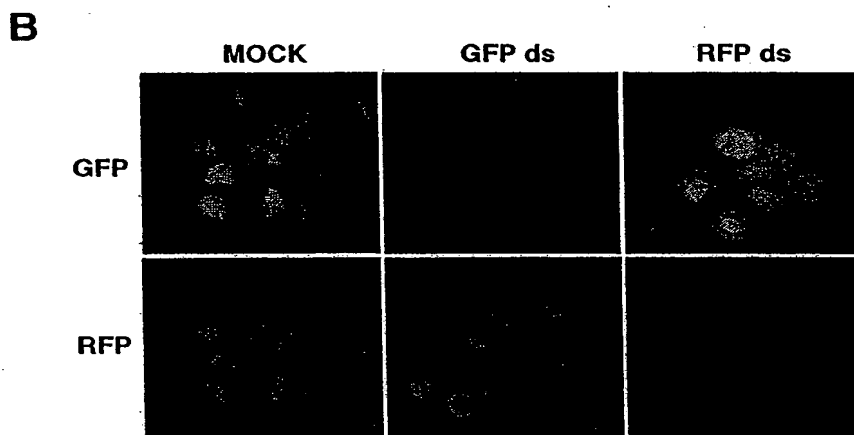
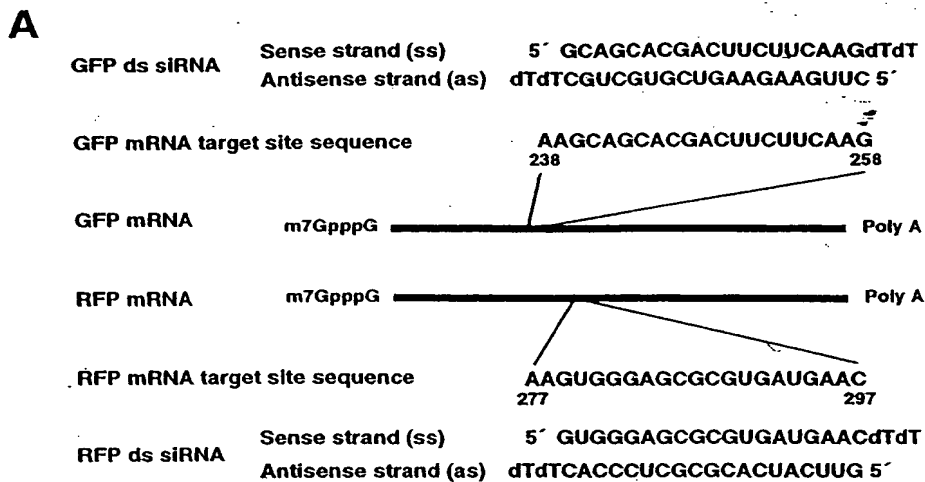
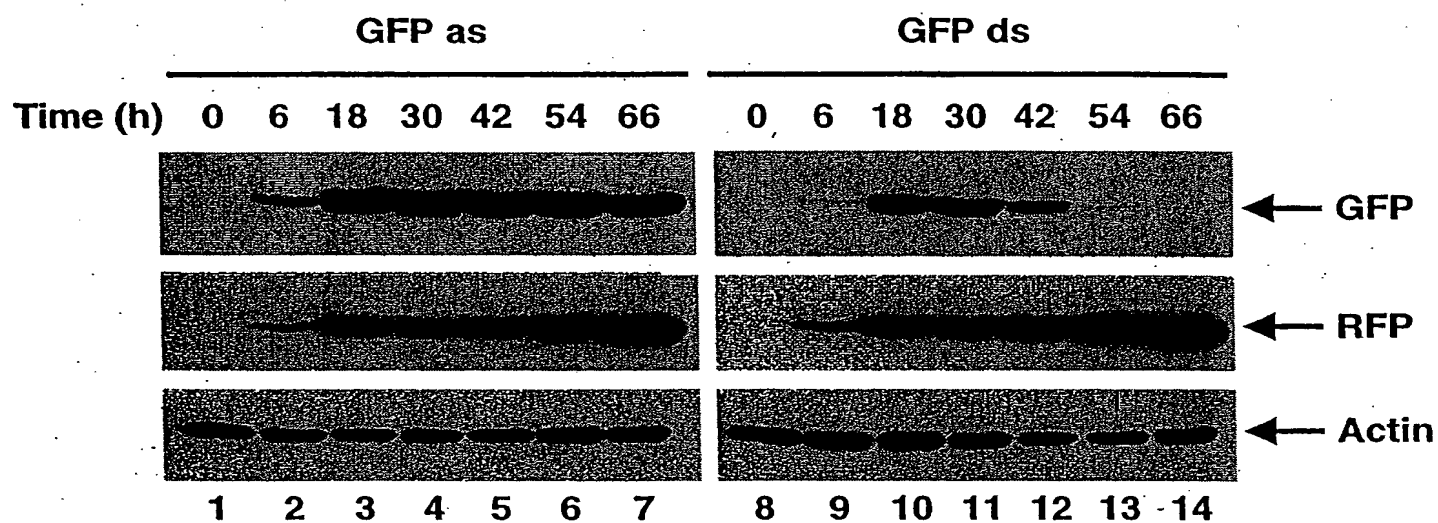


Figure 1 E - F

E



F

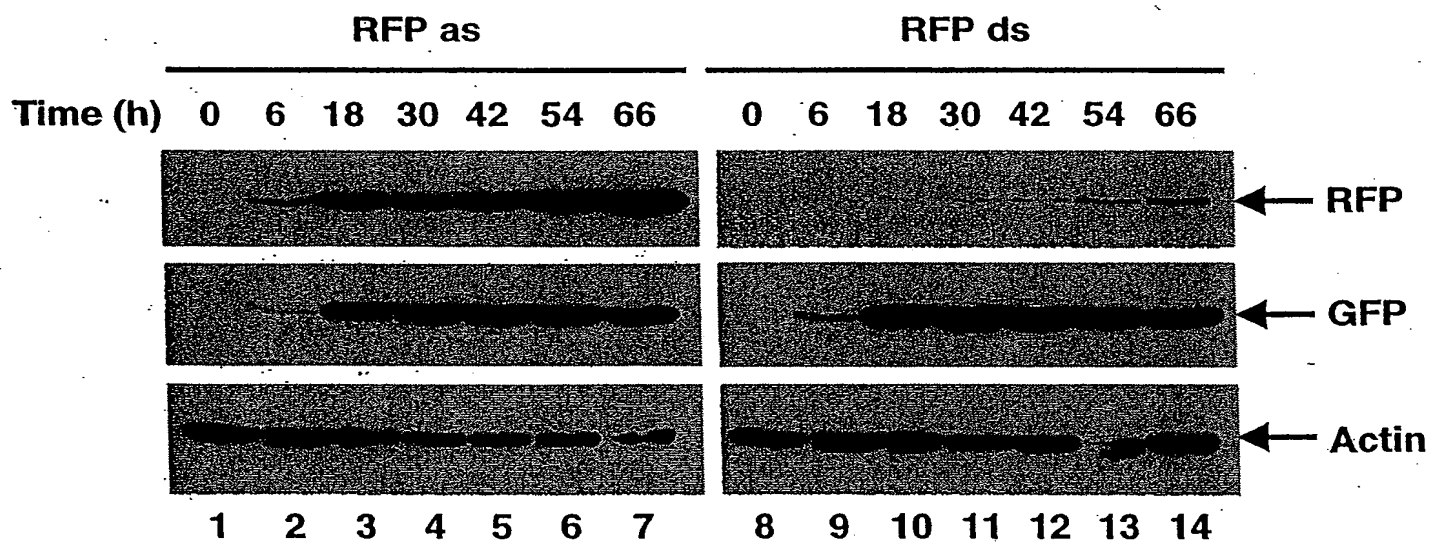


Figure 1G

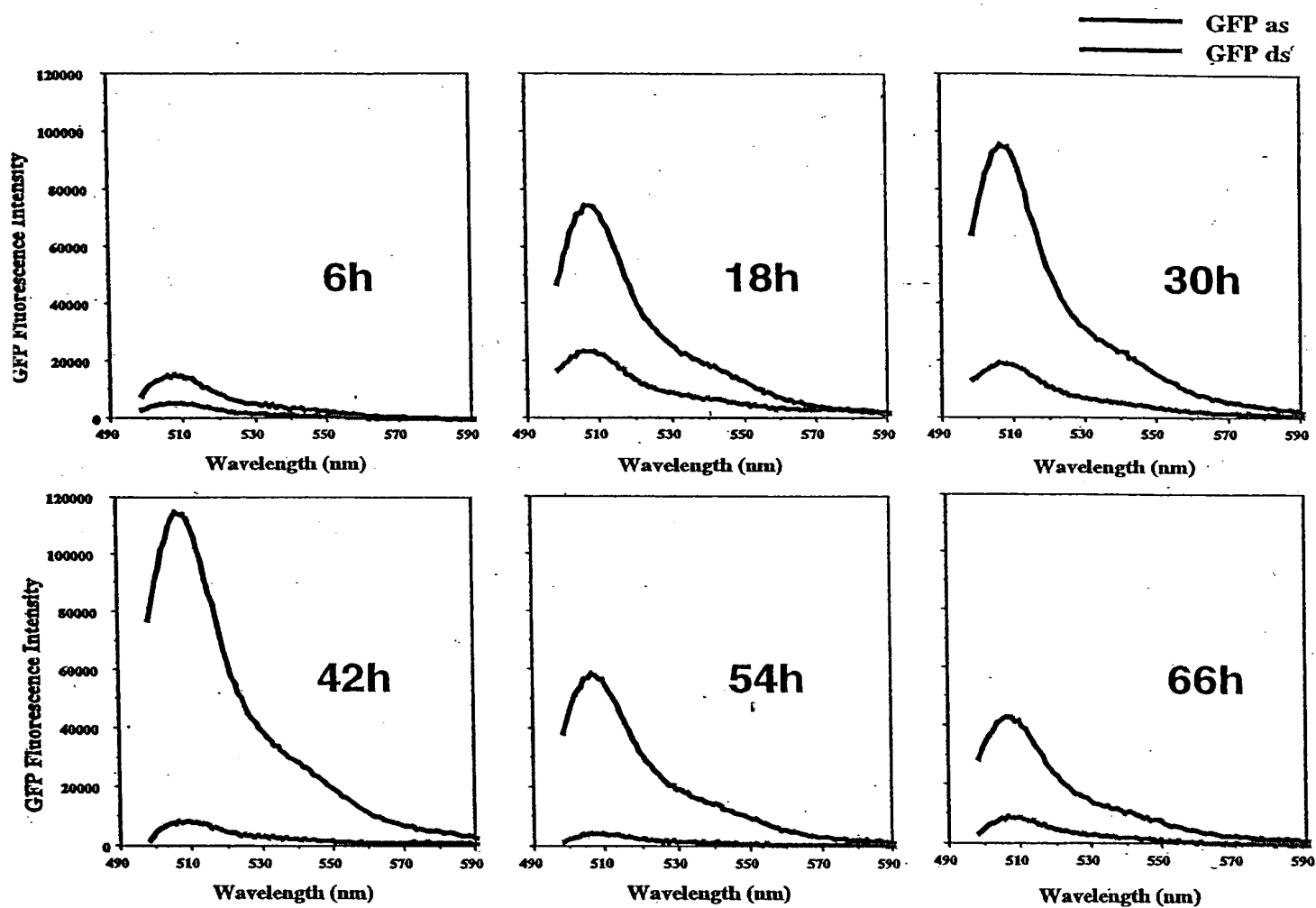
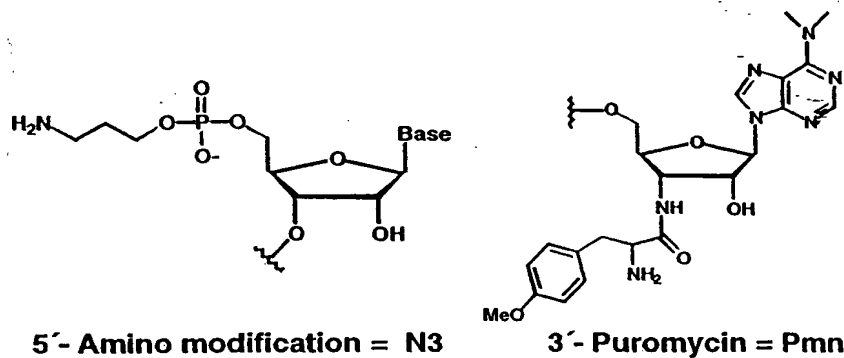


Fig 2

A



B

GFP siRNA

ds (WT)	GCAGCACGACUUCUUAAGdTdT dTdTTCGUCGUGCUGAAGAAGUUC
5' Modified siRNA	
5'-N3ss/as	N3 - GCAGCACGACUUCUUAAGdTdT dTdTTCGUCGUGCUGAAGAAGUUC
ss/5'-N3as	GCAGCACGACUUCUUAAGdTdT dTdTTCGUCGUGCUGAAGAAGUUC - N3
5'-N3ss/5'-N3as	N3 - GCAGCACGACUUCUUAAGdTdT dTdTTCGUCGUGCUGAAGAAGUUC - N3
3' Modified siRNA	
ss3'-Pmn/as	GCAGCACGACUUCUUAAGdTdT - Pmn dTdTTCGUCGUGCUGAAGAAGUUC
ss/as3'-Pmn	GCAGCACGACUUCUUAAGdTdT Pmn - dTdTTCGUCGUGCUGAAGAAGUUC
ss3'-Pmn/as3'-Pmn	GCAGCACGACUUCUUAAGdTdT - Pmn Pmn - dTdTTCGUCGUGCUGAAGAAGUUC
ss/as3'-Biotin	GCAGCACGACUUCUUAAGdTdT Biotin - dTdTTCGUCGUGCUGAAGAAGUUC
Bulge-containing siRNA	
ss-bulge/as	UG GCAGCACGA CUUCUUAAGdTdT dTdTTCGUCGUGCUGAAGAAGUUC
ss/as-bulge	GCAGCACGA CUUCUUAAGdTdT dTdTTCGUCGUGCUGAAGAAGUUC CA
ss-bulge/as-bulge	UG GCAGCACGA CUUCUUAAGdTdT dTdTTCGUCGUGCUGAAGAAGUUC CA

App No.: Not Yet Assigned
 Inventor: Tariq M. Rana, et al.
 Title: IN VIVO GENE SILENCING BY CHEMICALLY MODIFIED
 AND STABLE siRNA

Docket No.: UMY-062

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Fig 3

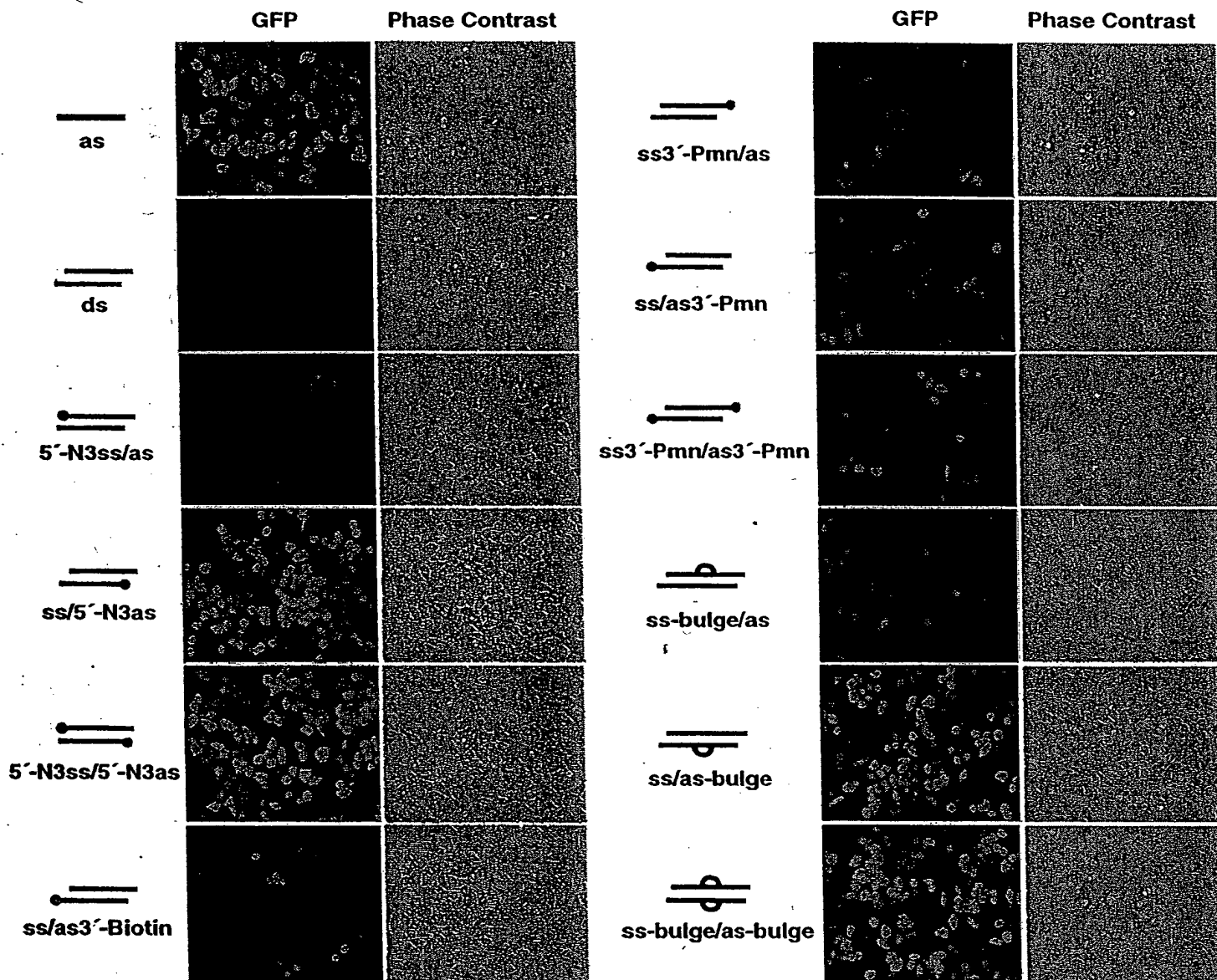
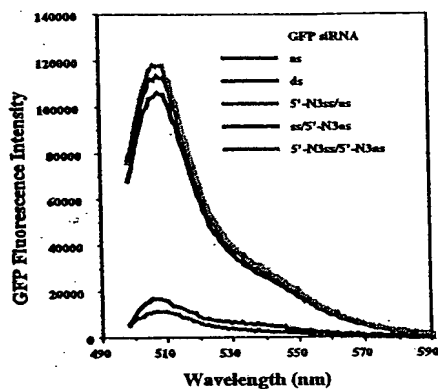


Fig 4

A



B

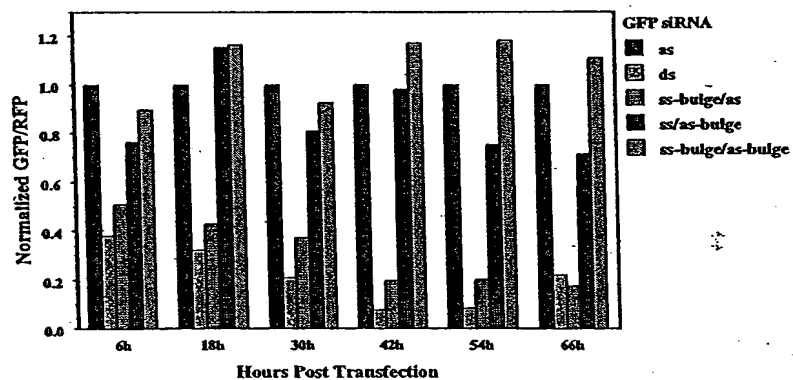
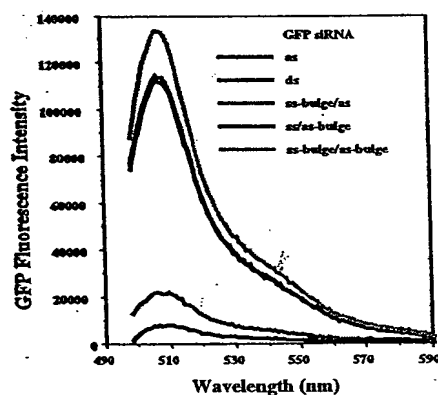
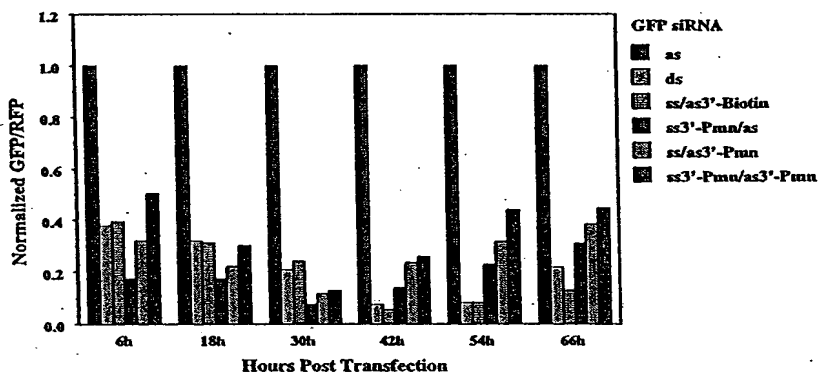
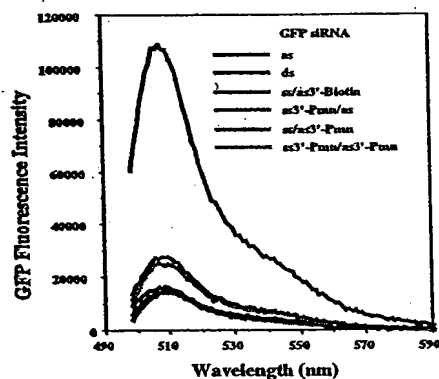
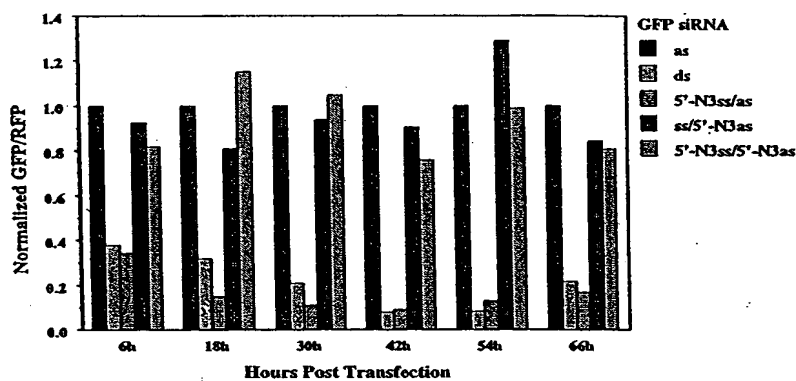


Fig 5

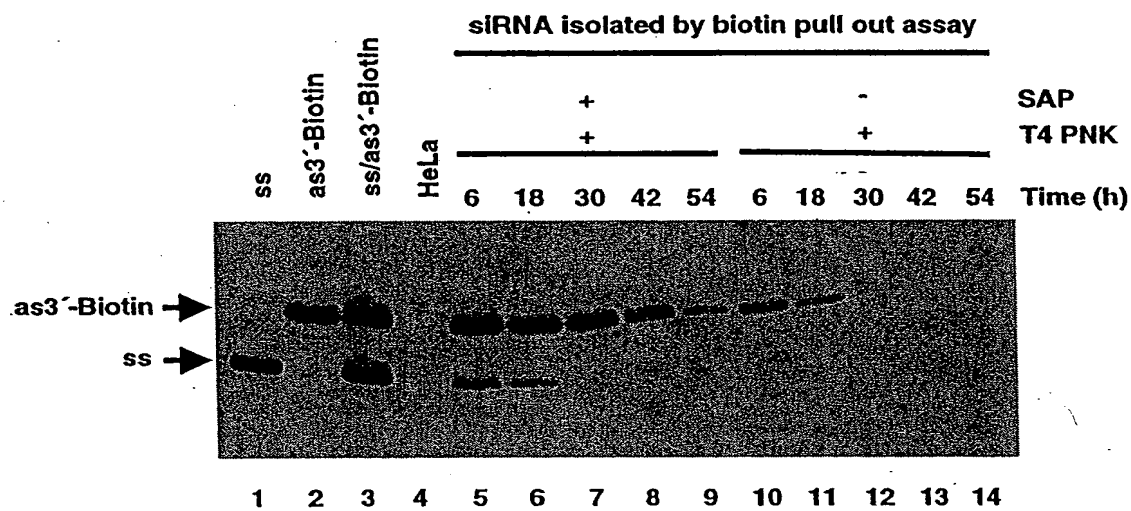
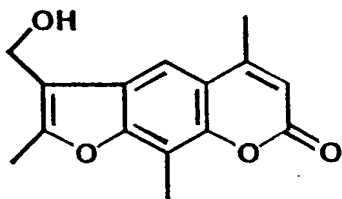


Fig 6

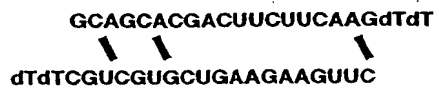
A

Psoralen (HMT)

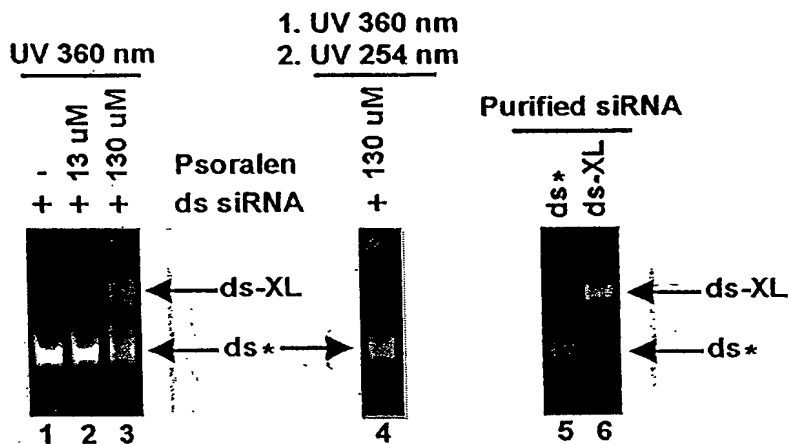


B

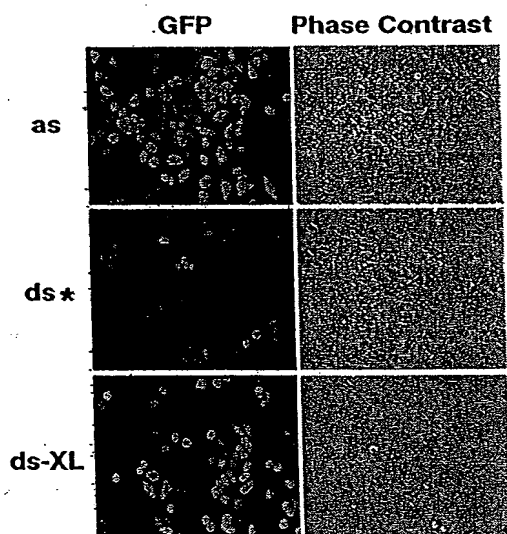
GFP ds siRNA



C



D



E

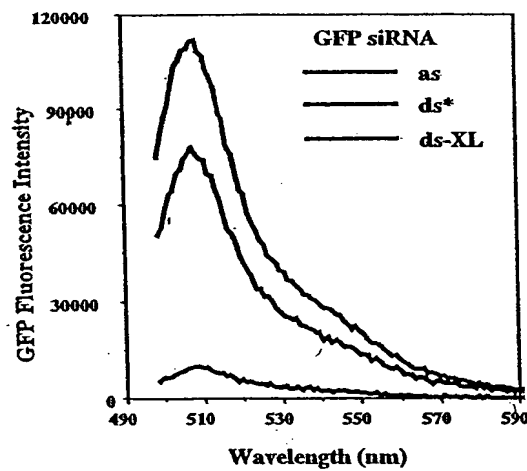


Fig 7

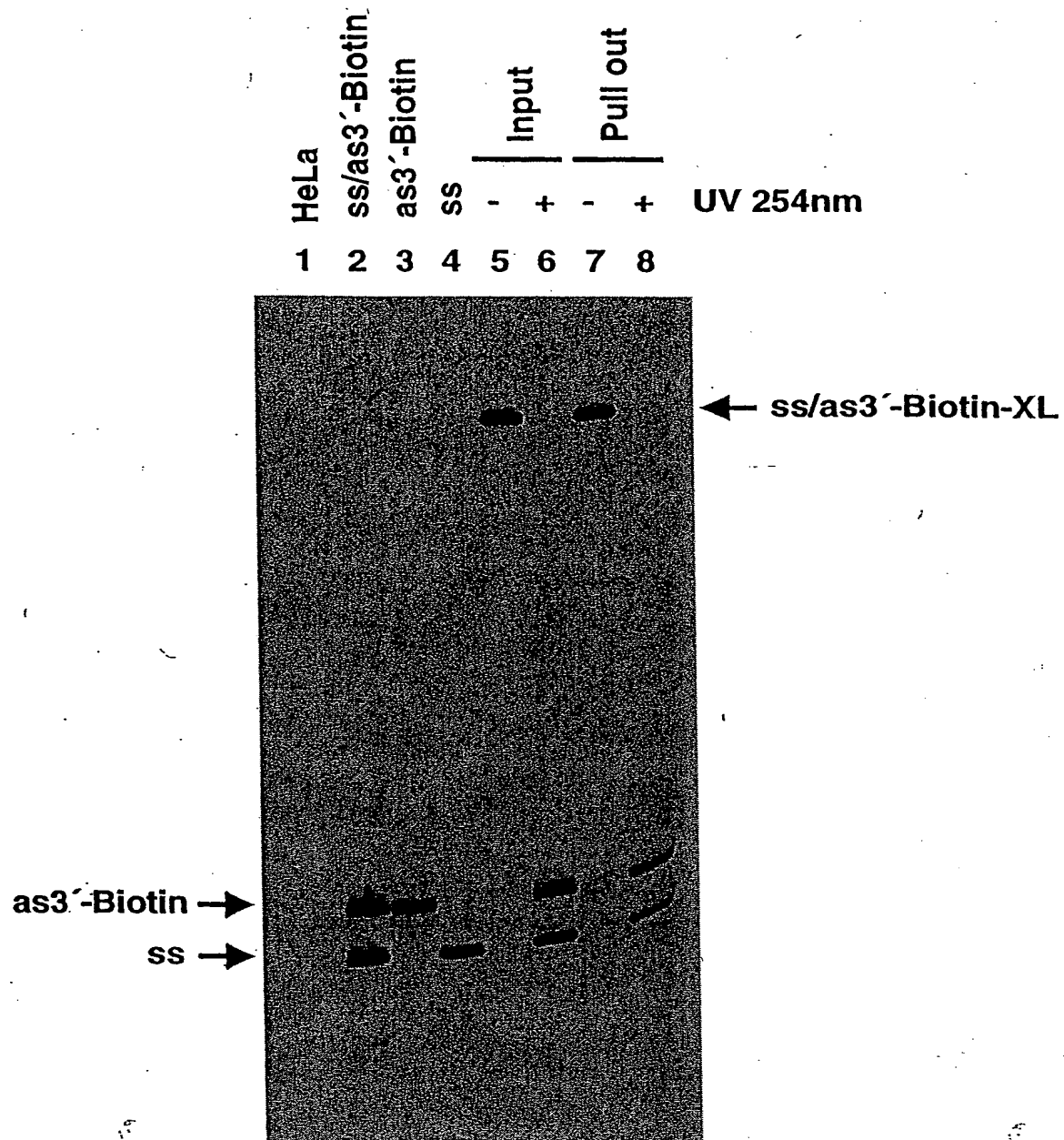
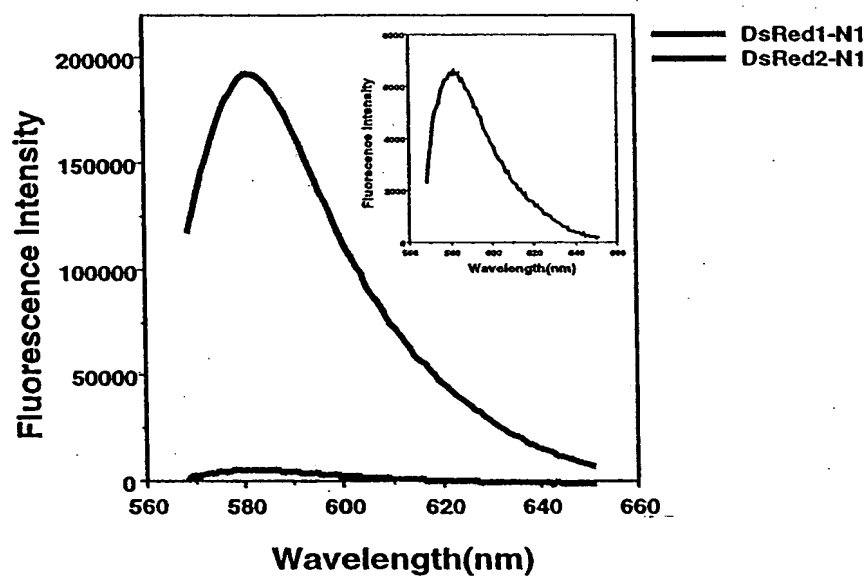


Fig 8

(A)



(B)

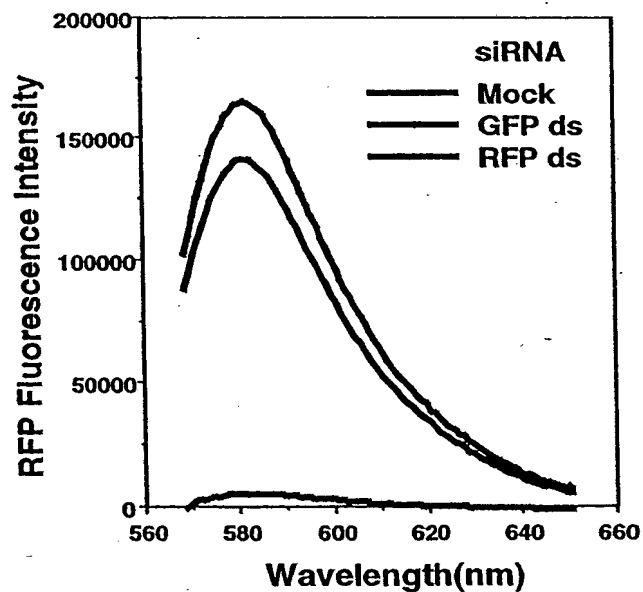
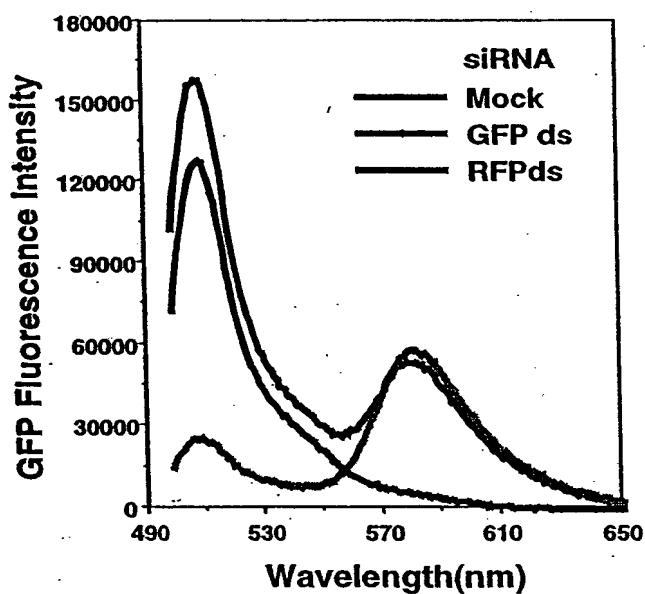


Fig 9

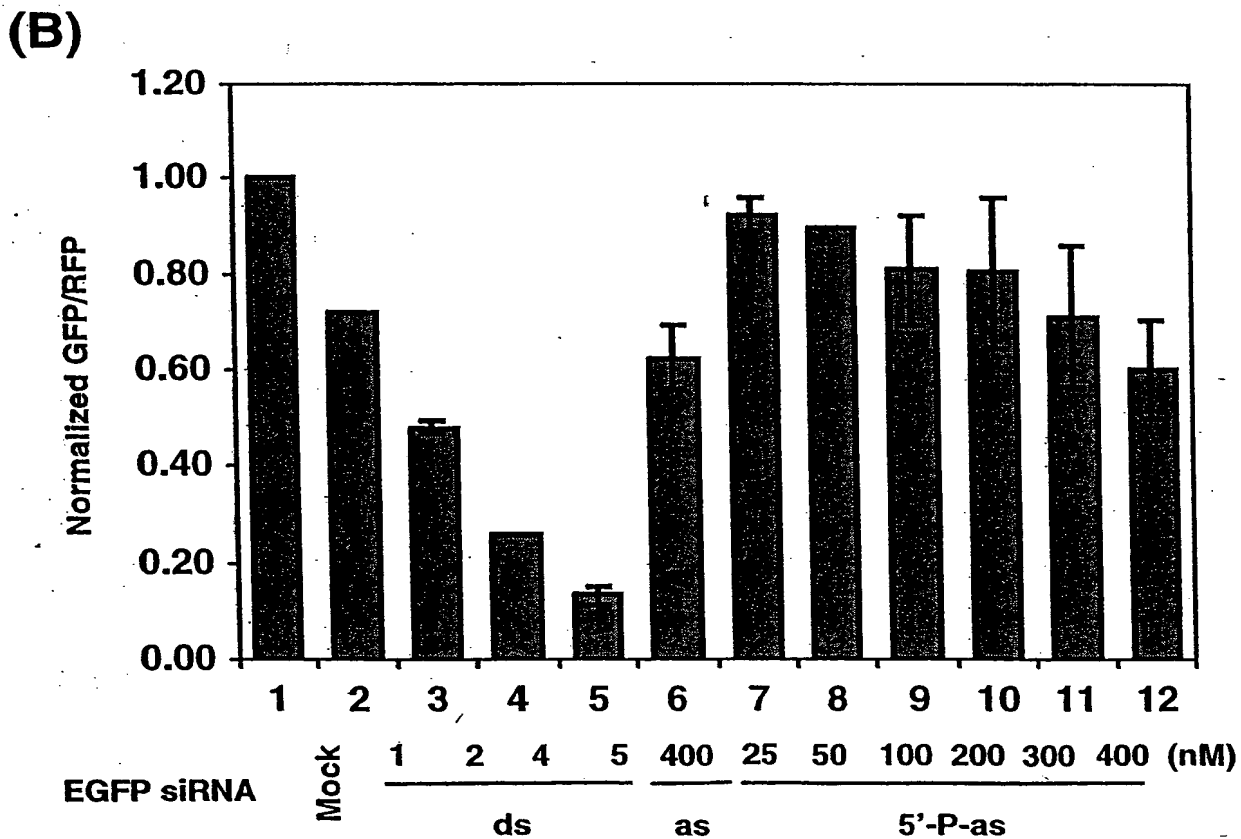
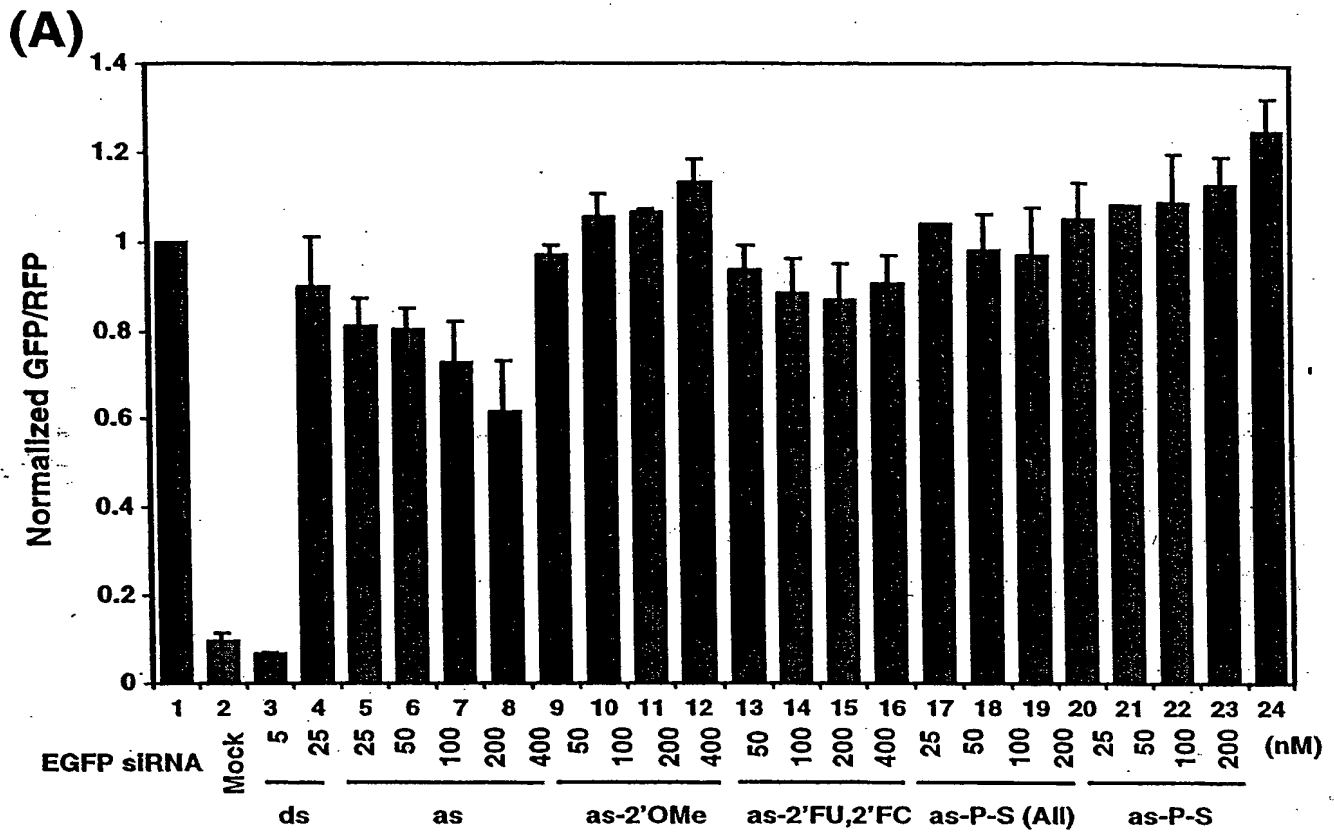


Fig 10

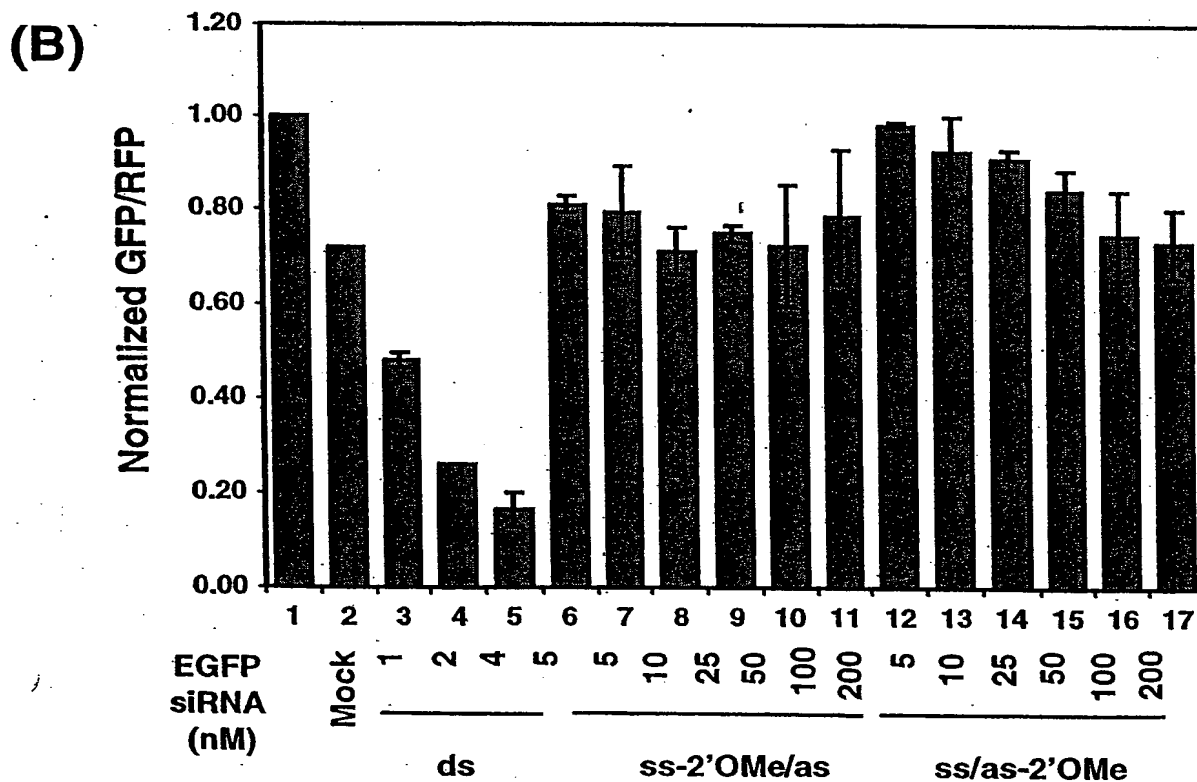
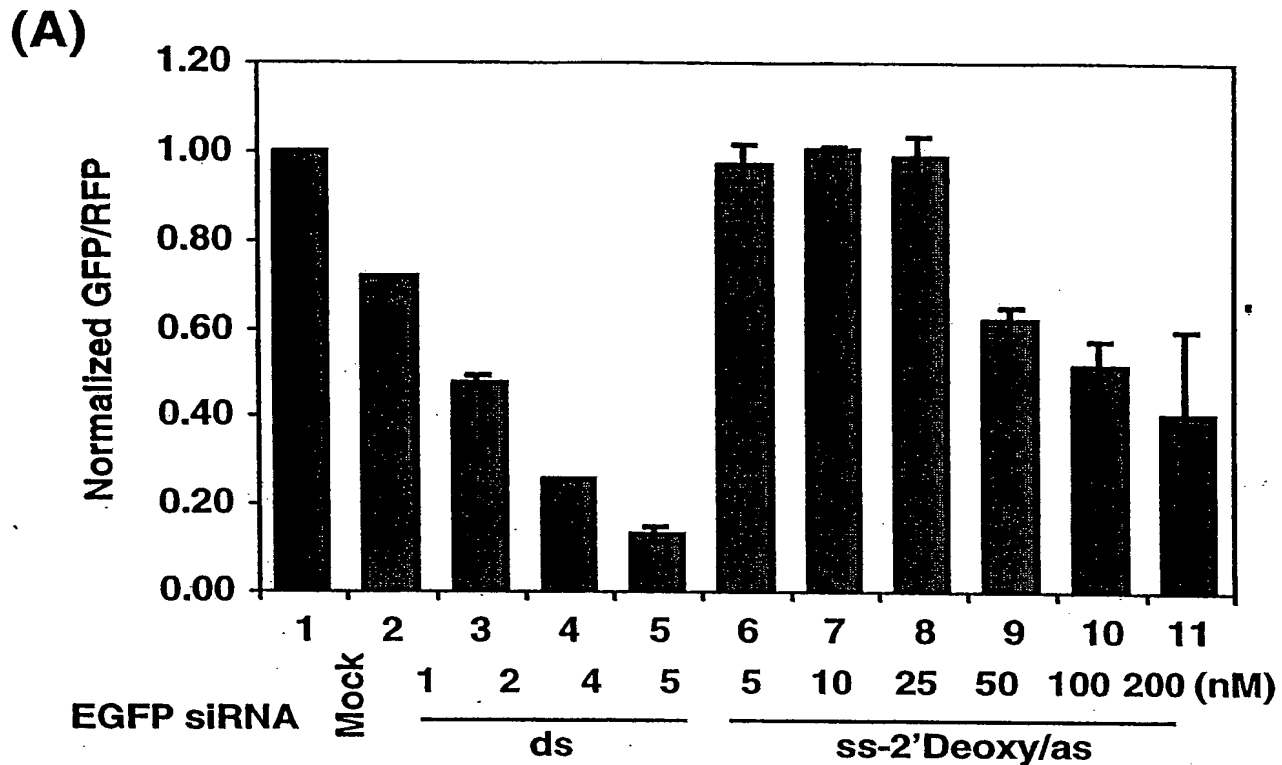


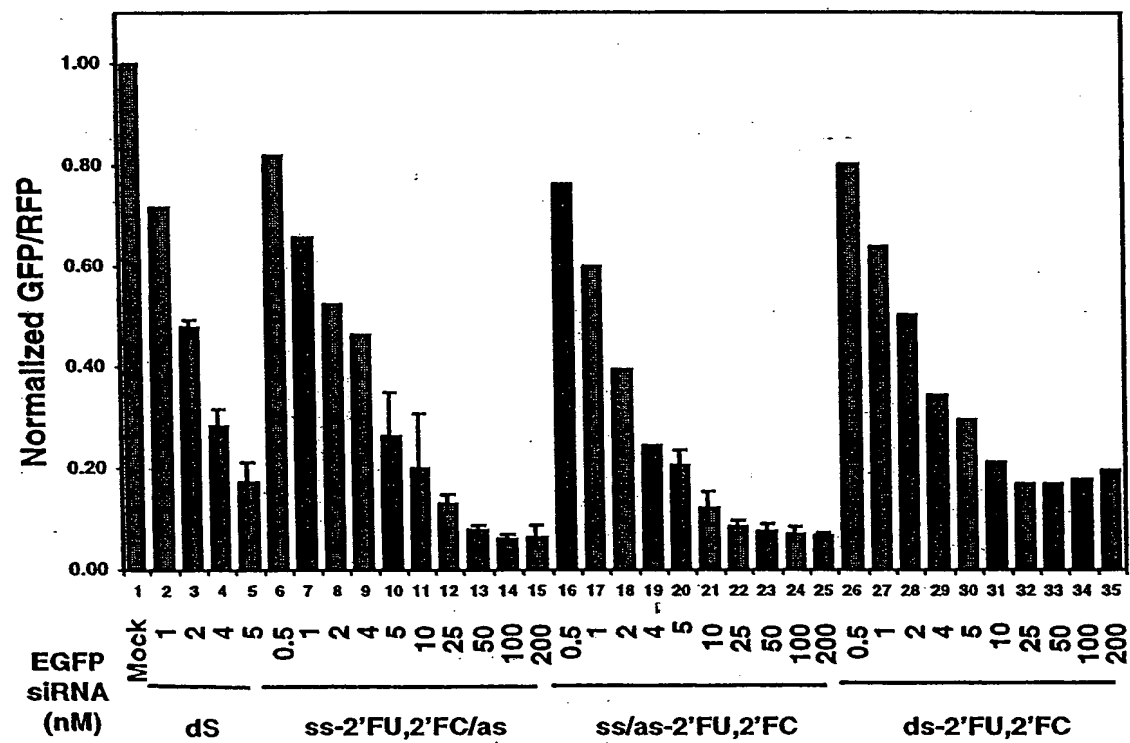
Fig 10**(C)**

Fig 10

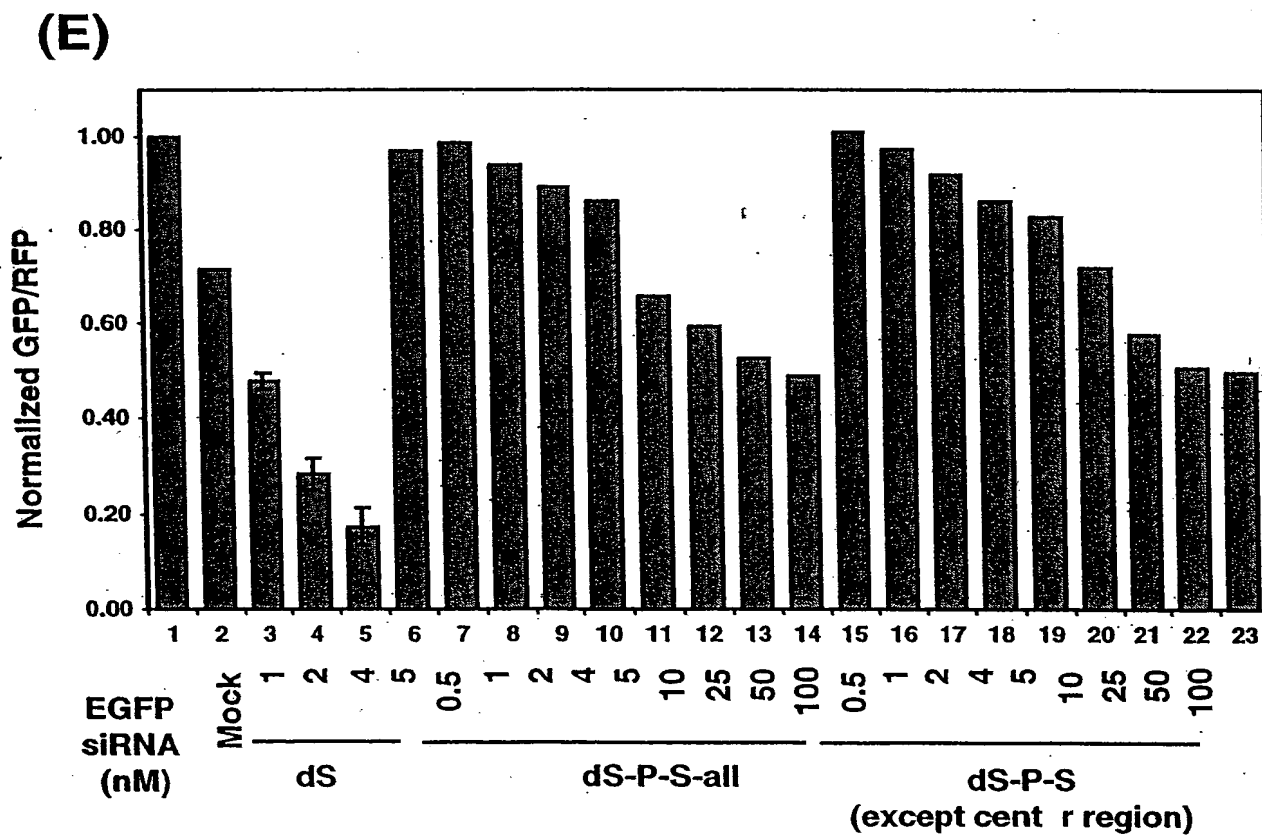
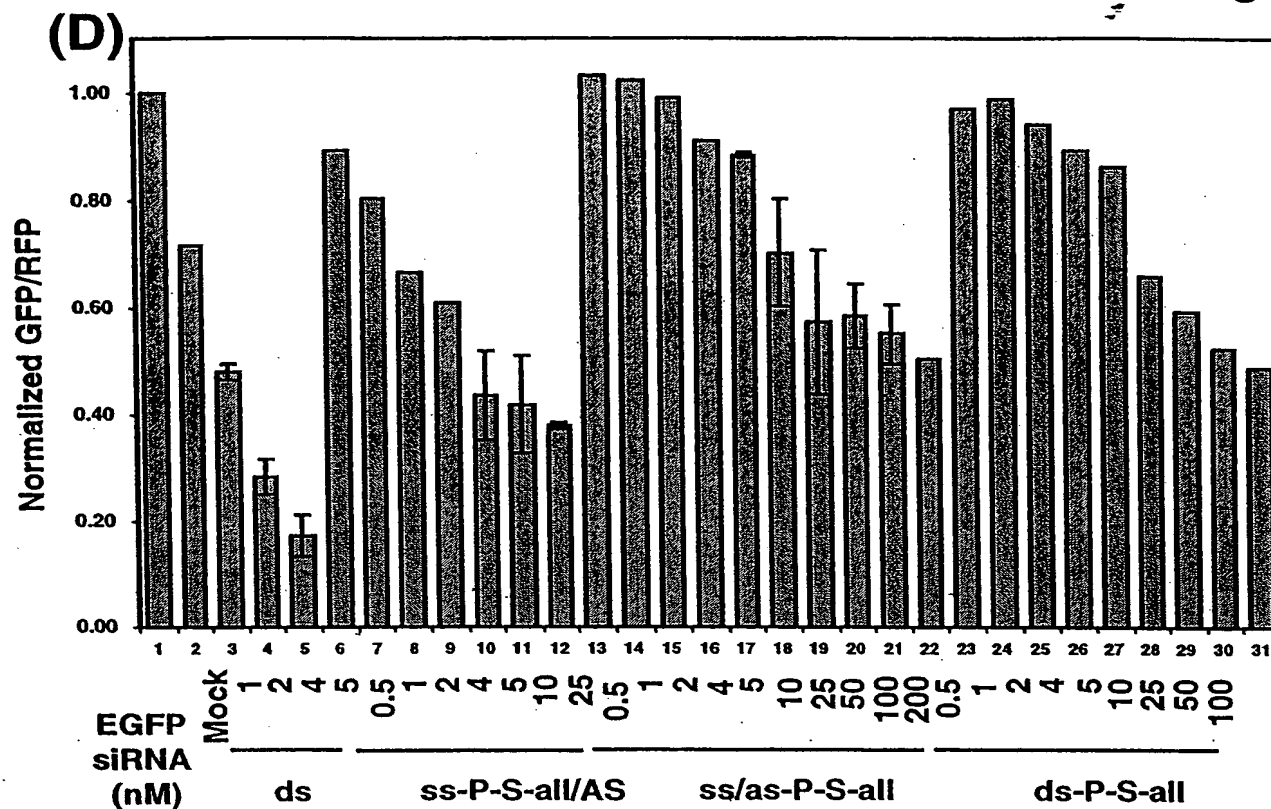
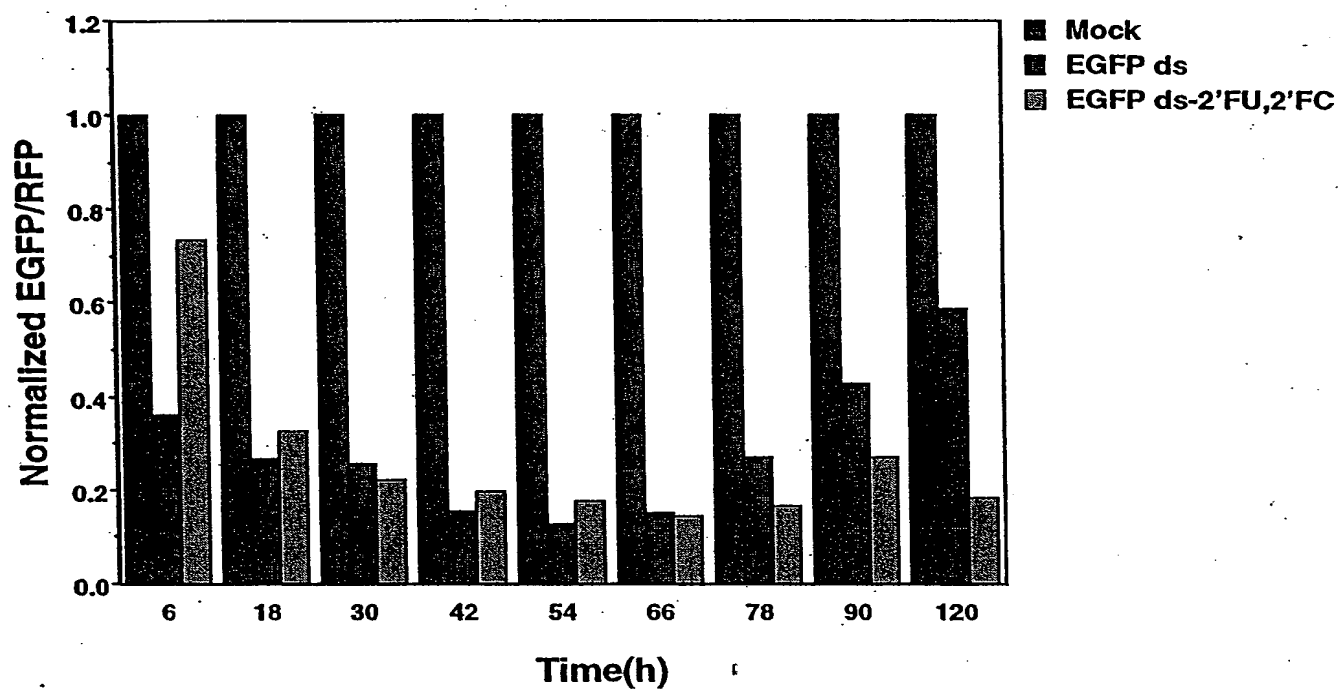
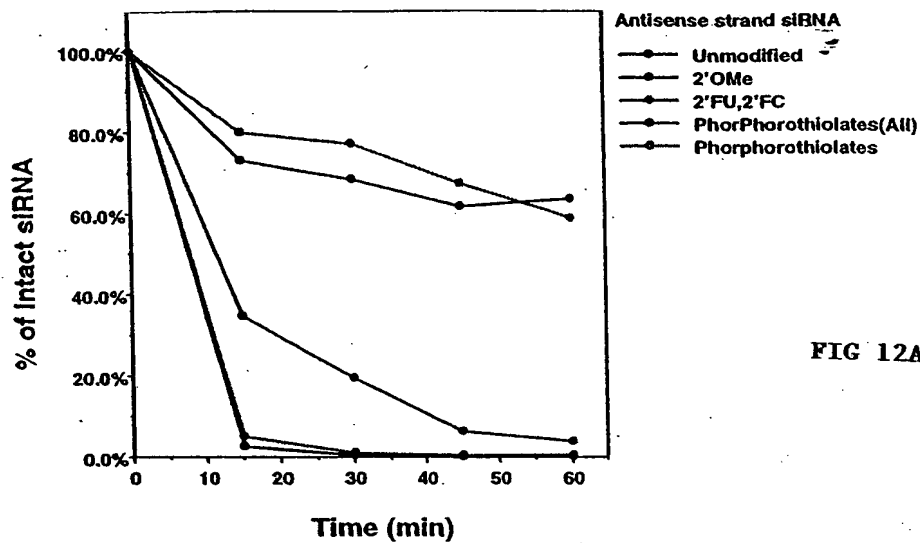


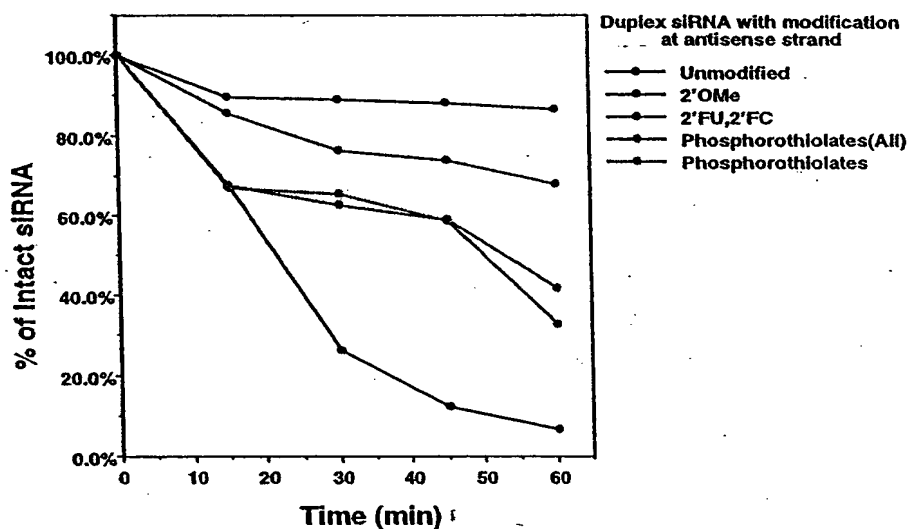
Fig 11



(A)



(B)



(C)

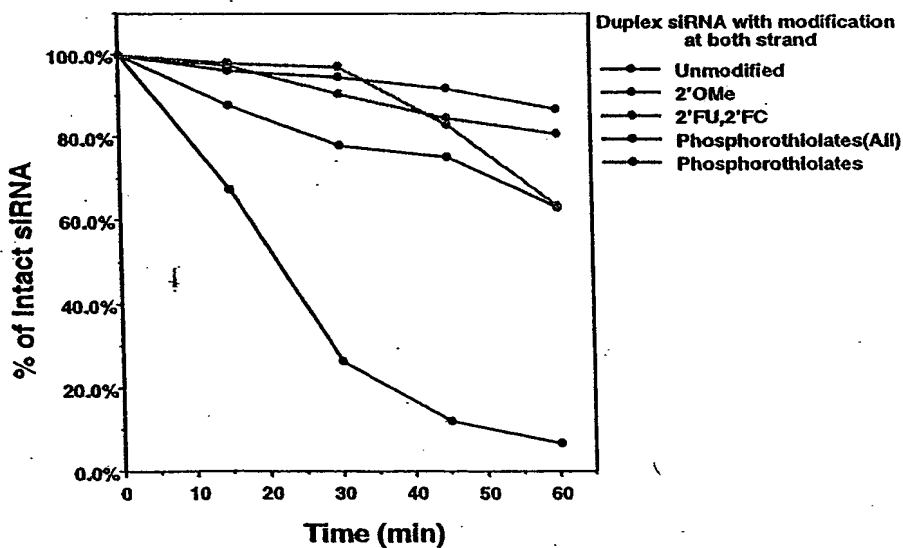
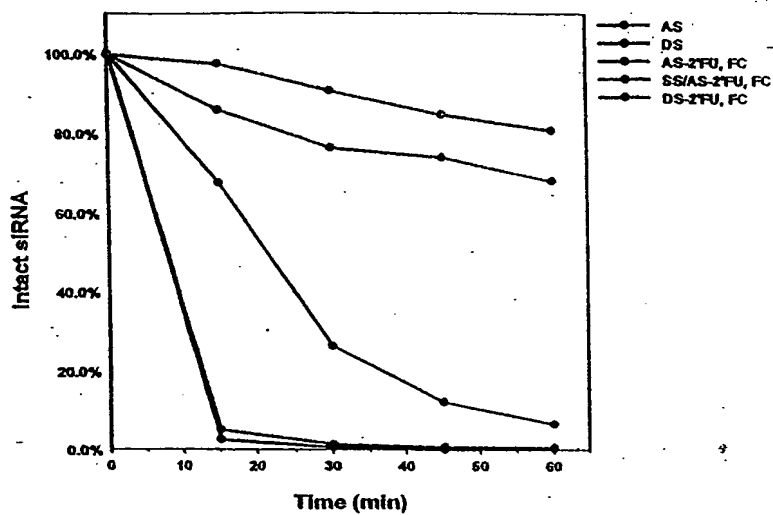


FIG 12D-E

(D)



(E)

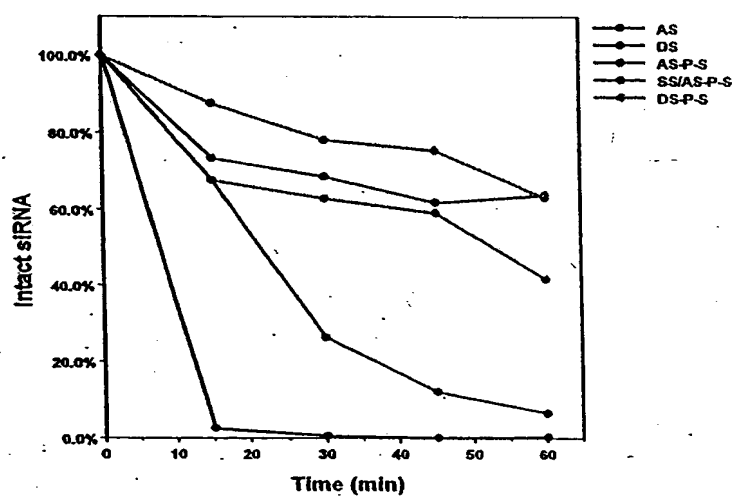
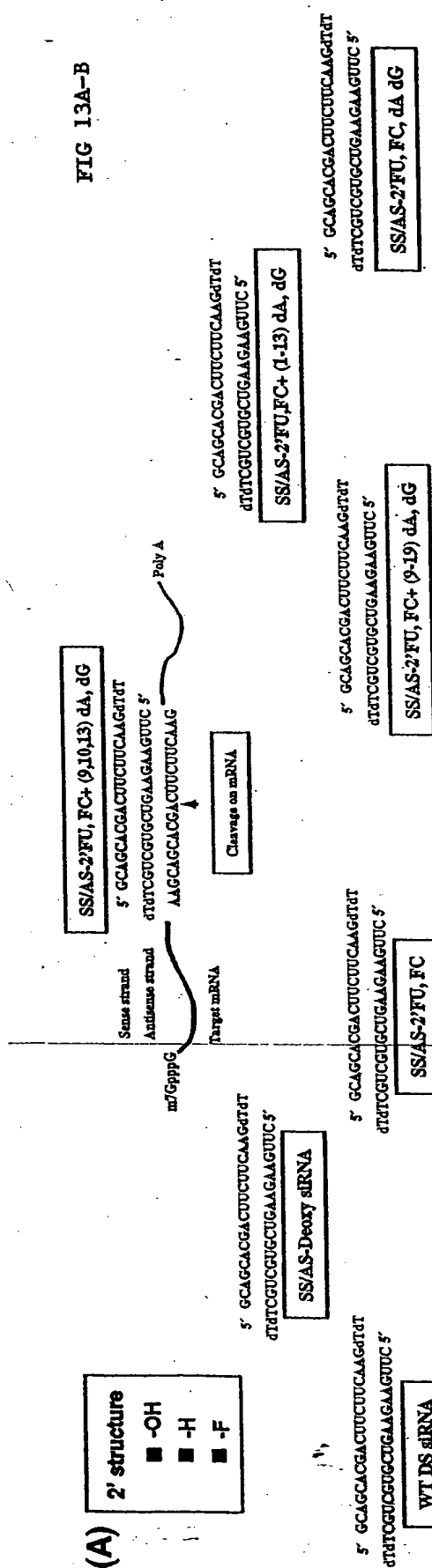
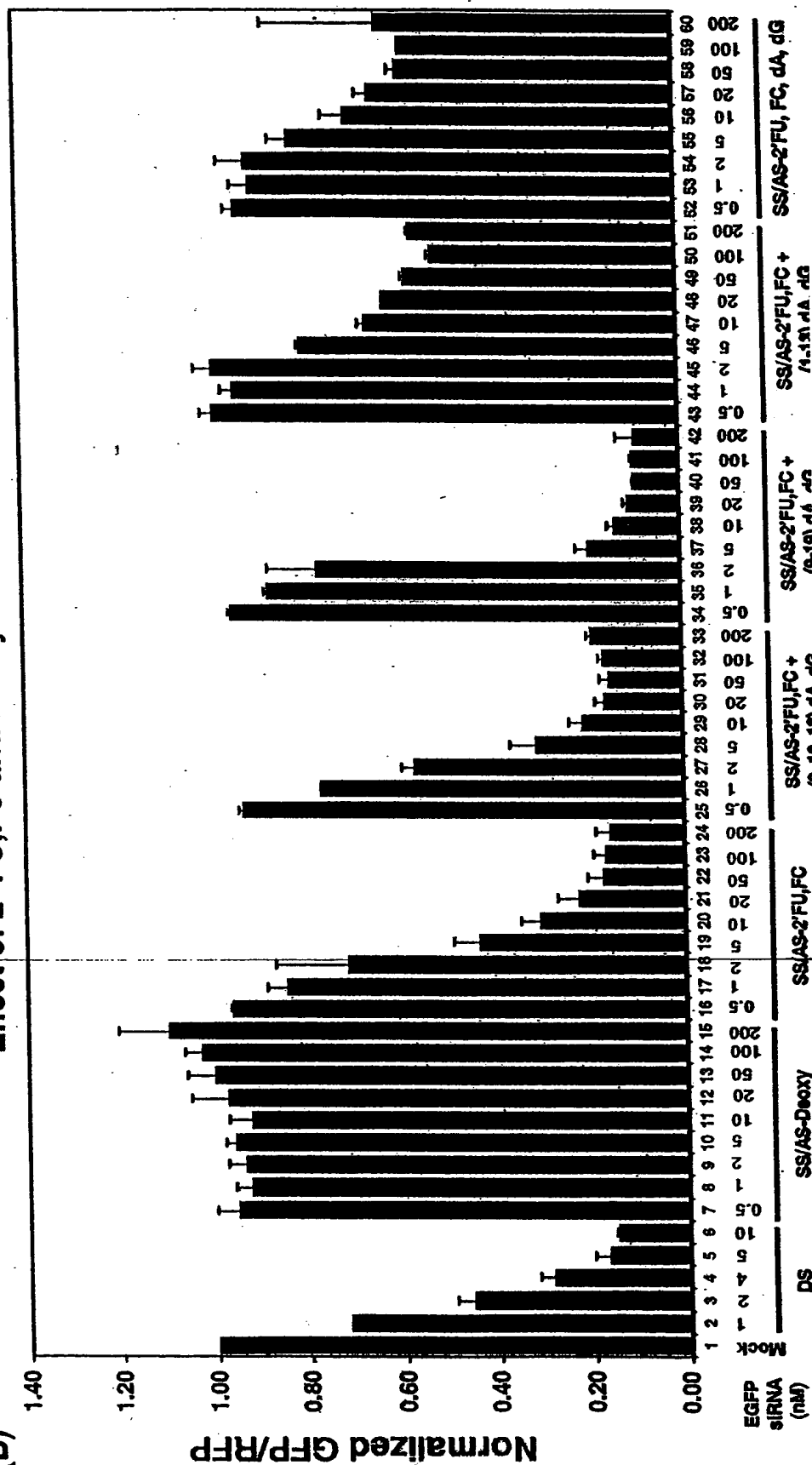


FIG 13A-B



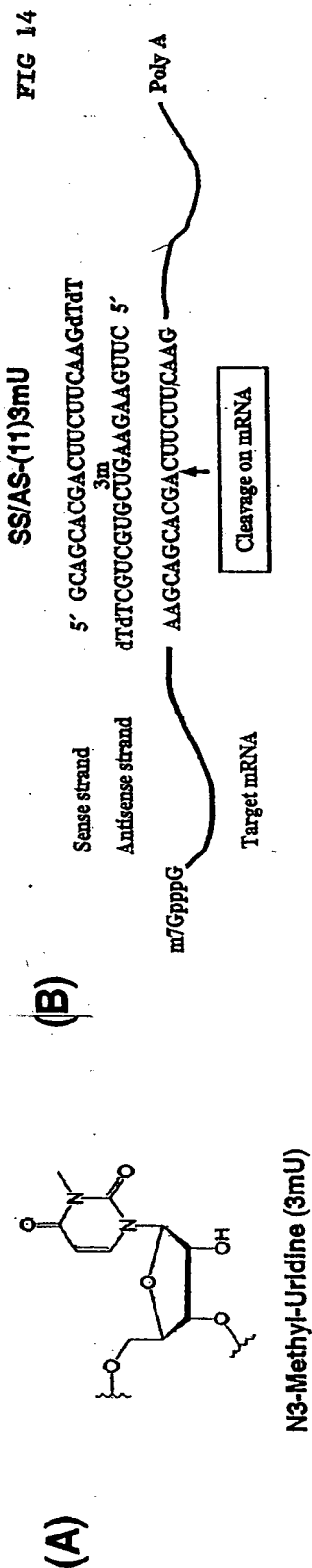
Effect of 2'-FU, FC and Deoxy Modified siRNA



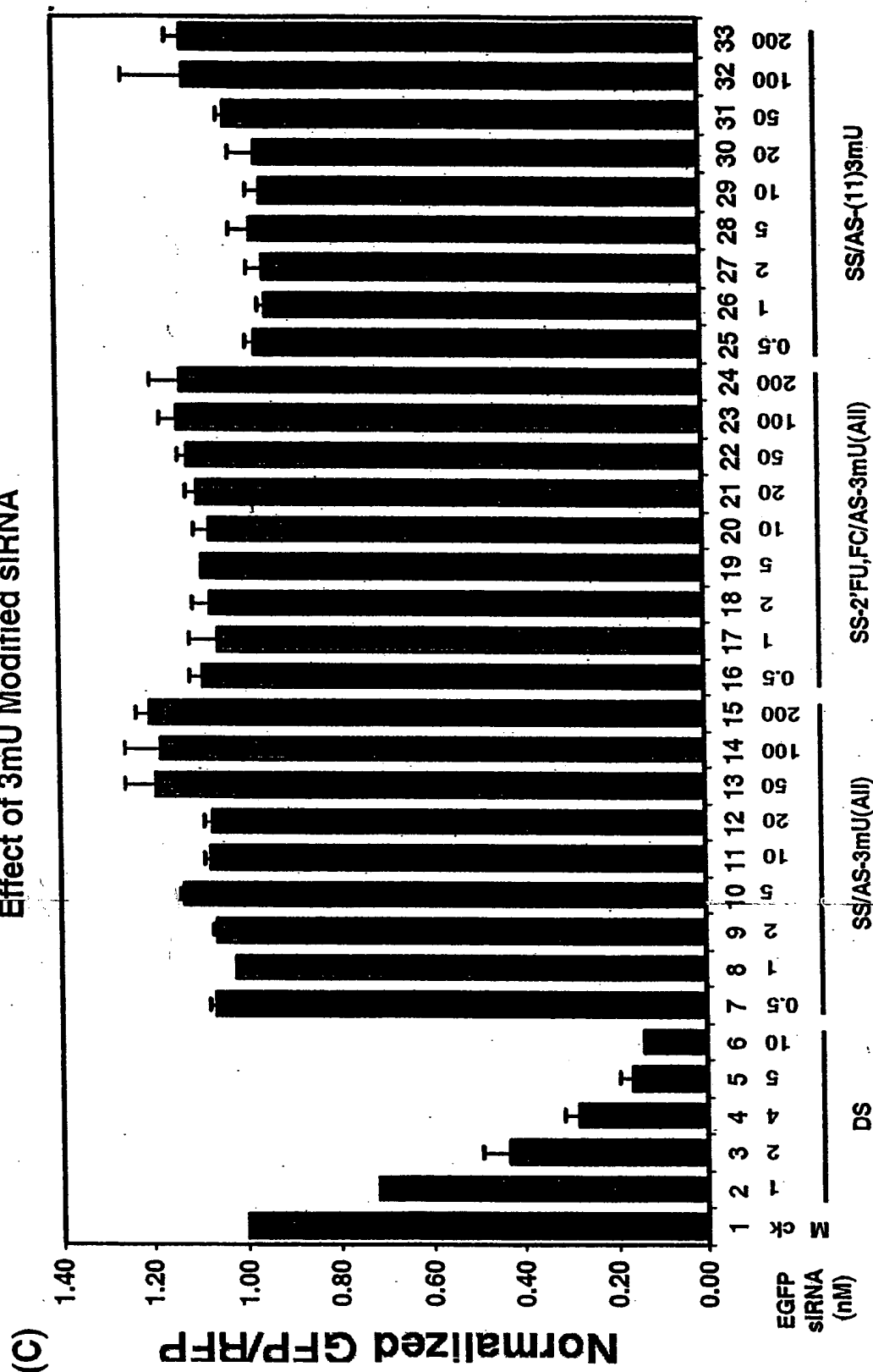


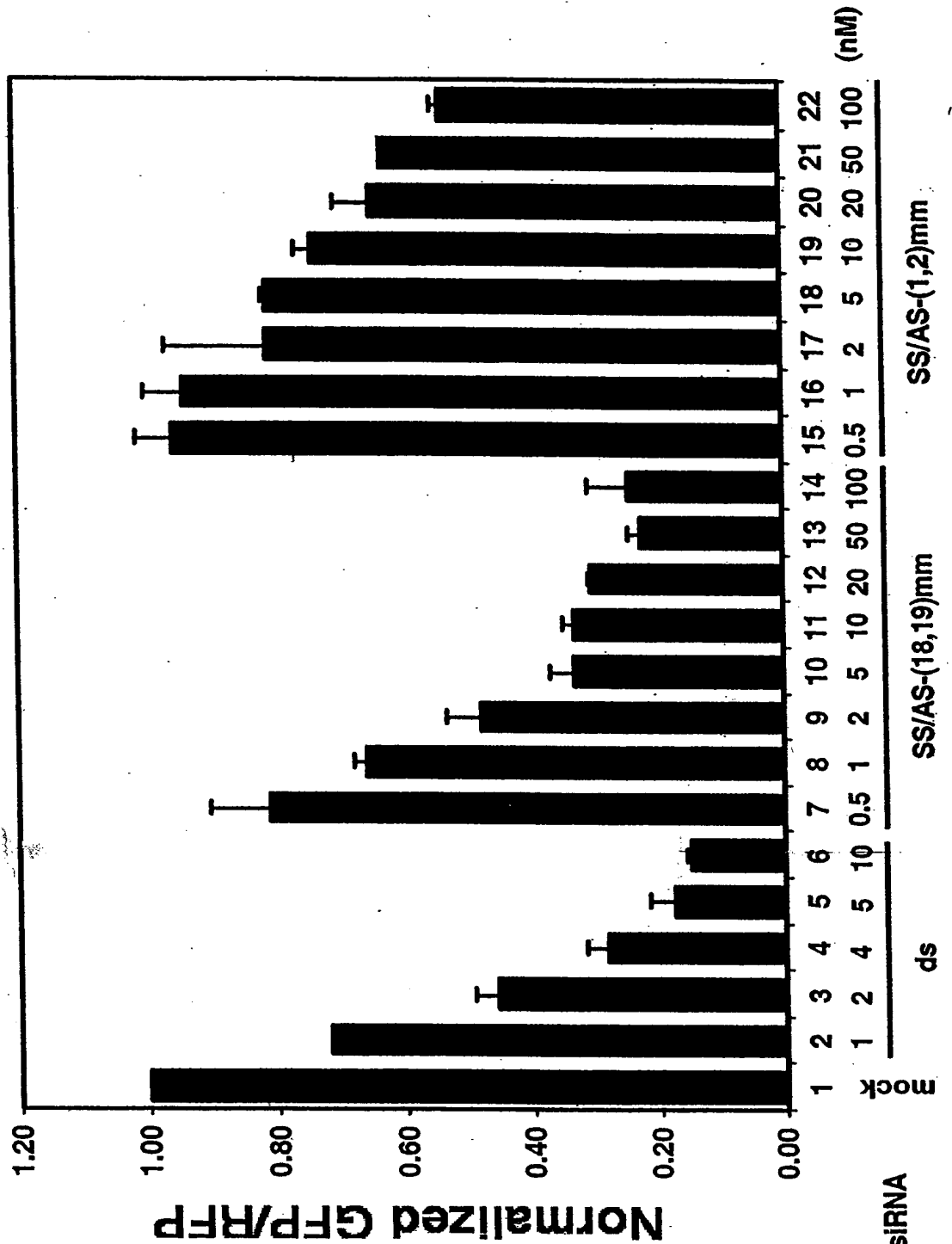
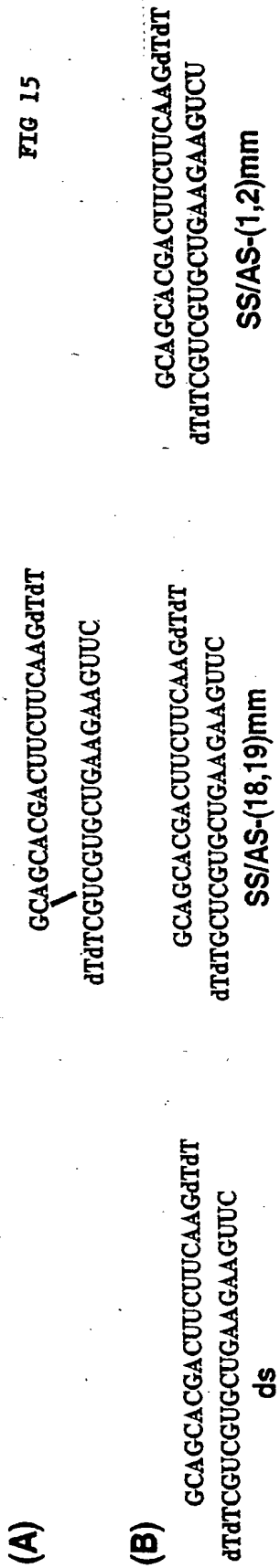
(b)





Effect of 3mU Modified siRNA





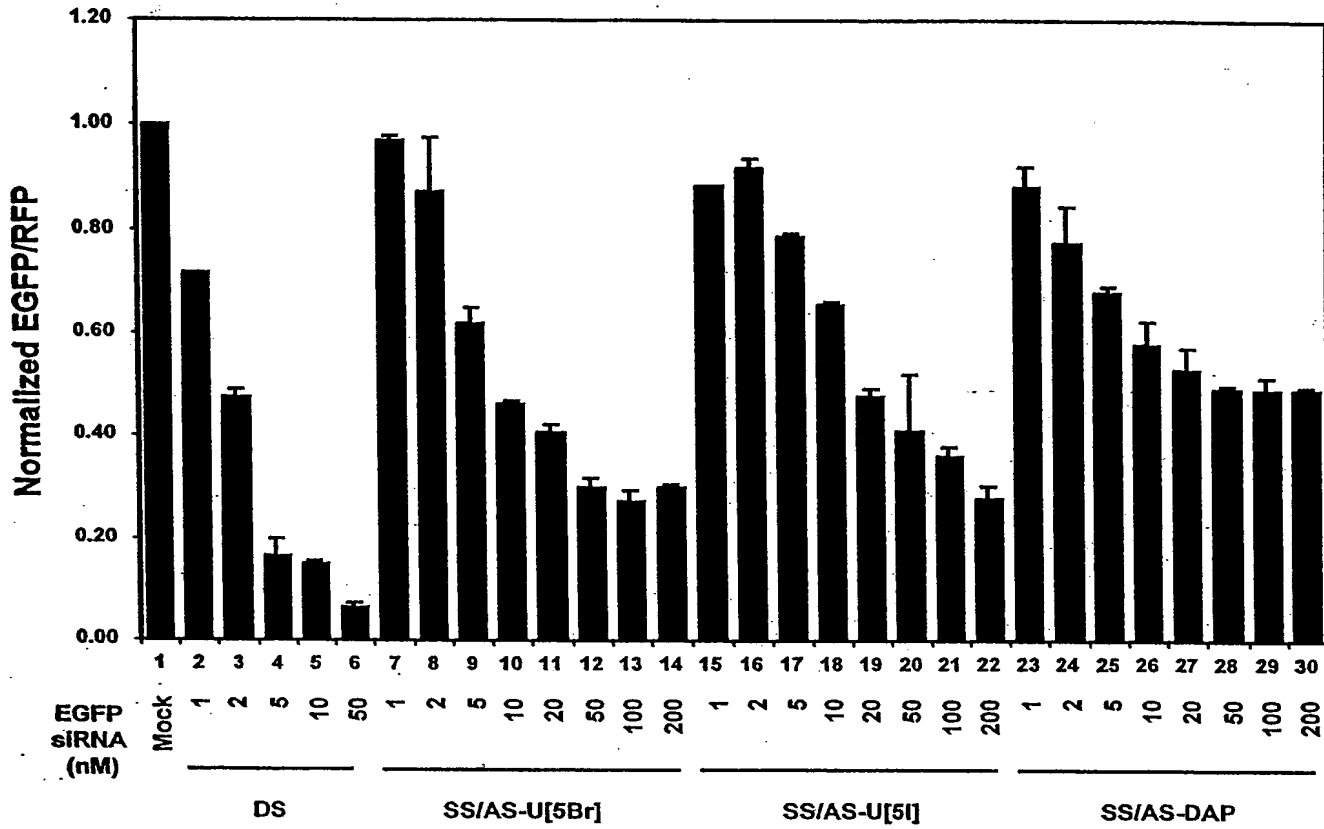


FIG 17

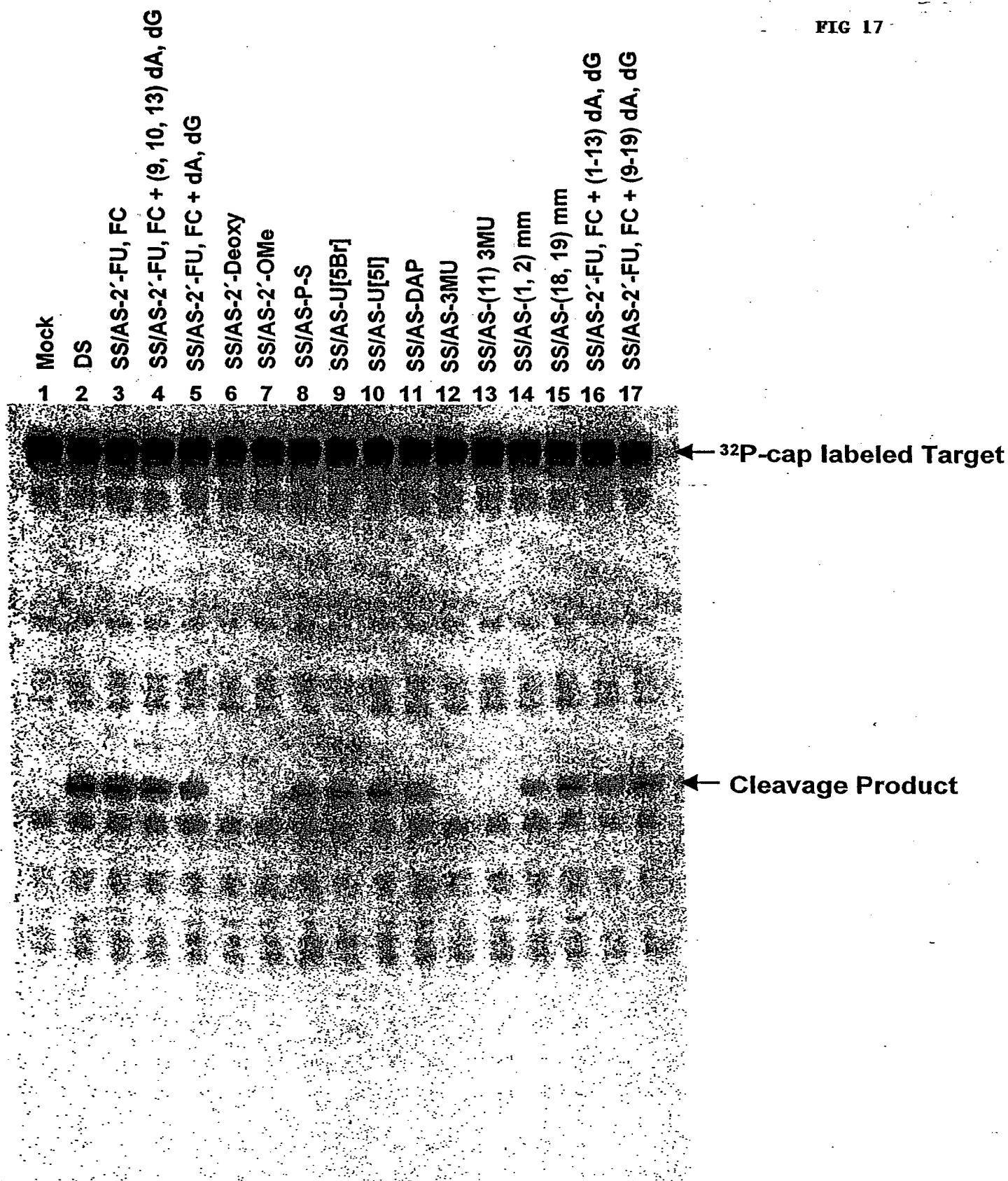
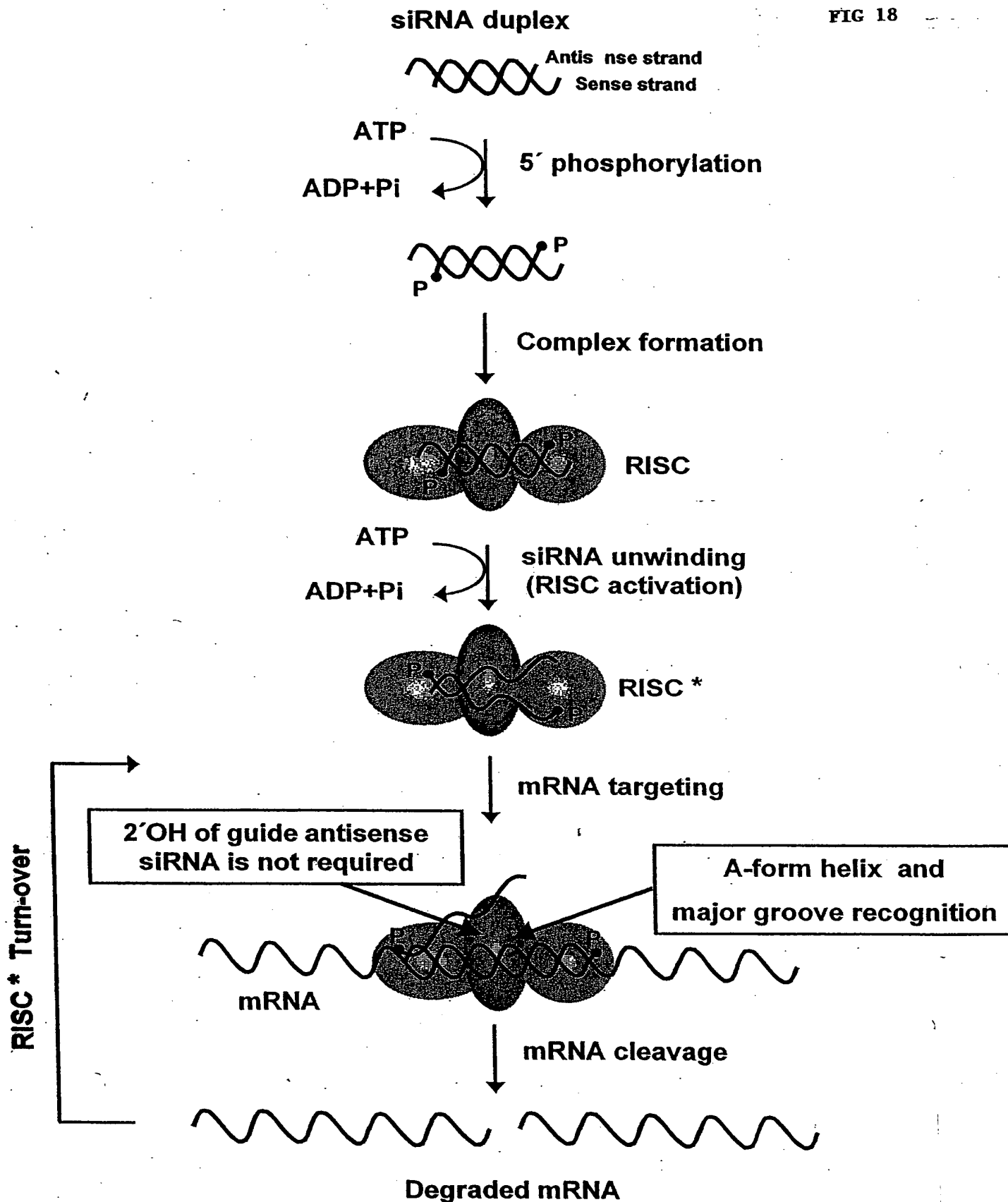
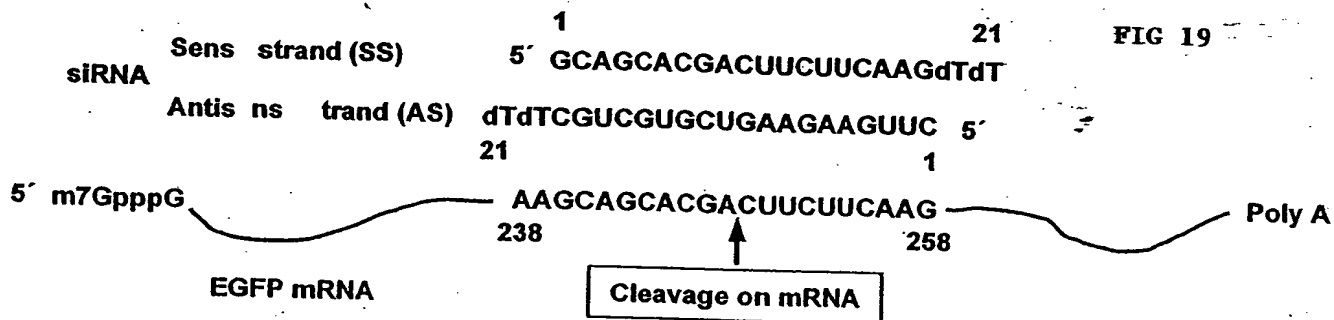


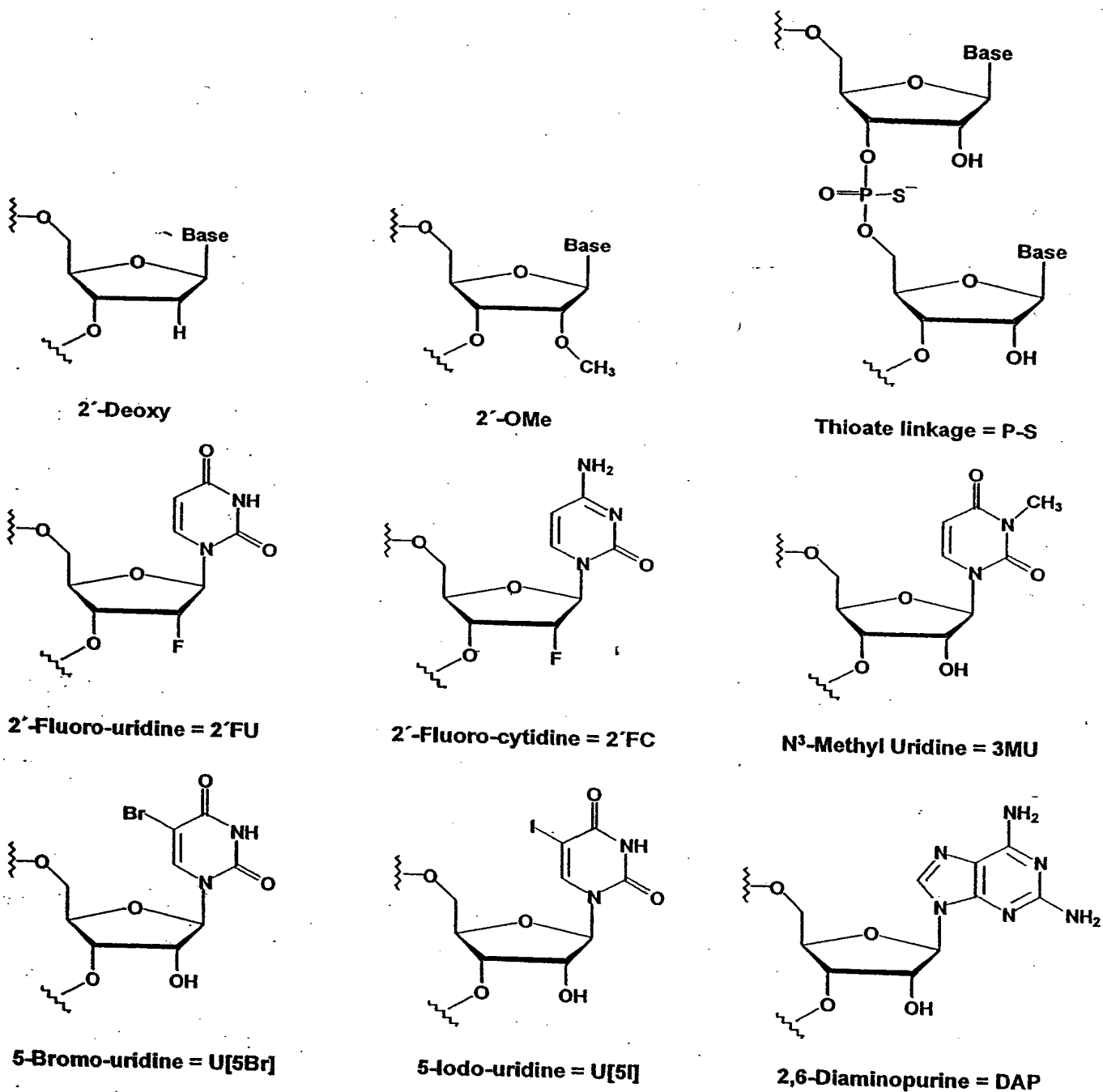
FIG 18



A



B



Photocleavable Biotin